

N-GXE-xx-01

Gigabit Ethernet Network Interface Cards

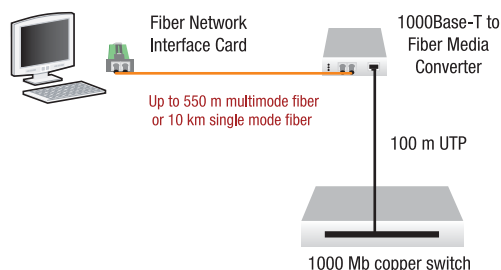


N-GXE-xx-01 is a Fiber Gigabit Ethernet to PCIe bus adapter that fully complies with all IEEE 802.3z and 1000Base-SX/LX standards. It provides up to 2000 Mbps full-duplex bandwidth capacity to support high-end servers. In addition, with advanced functions like VLAN filtering packet processing, the adapter provides enhanced performance, flexible configuration and secure networking for users in a standard-based environment. Two LED indicators (LINK/ACT and FDX) on the bracket will help to oversee the board link, activities and full-duplex status.

Features

- ▶ High bandwidth 1000 Mbps Network Speed [pg 18]
- ▶ Supports Full-Duplex Mode
- ▶ Supports IEEE 802.3x Full-Duplex Flow Control
- ▶ Supports PCIe x1 bus
- ▶ Compliant with PCIe Rev.1.1 Interface
- ▶ Supports Jumbo Frame
- ▶ Supports High Level VLAN Filtering Function
- ▶ Supports IP headers and TCP/UDP checksums offload
- ▶ RoHS Compliance
- ▶ Supports on-board screening of VLAN tagged Ethernet frames
- ▶ Low-Profile Bracket Included

Application



Specifications

Standards	IEEE 802.3z Gigabit Ethernet 1000Base-SX/LX IEEE 802.3x Full-Duplex Flow Control IEEE 802.1Q VLAN
Bus Slot	PCI-e 1.1
Status LEDs	LINK/ACT (Link/Activity): ON = communication link; FLASHING = activity on link FDX (Full-duplex): ON = Full-duplex link
Software Support	Windows 98/ME, 2000, 2003, XP, NT 4.0, Vista Novell Netware 4.x, 5.x, 6.x, Linux, PXE & RPL Boot ROM
PCB Dimensions	108 mm (L) 68.5 mm (H)
Power Requirement	5W, + 3.3VDC@ 1.5A max.
Environment	0° – 50°C; 5% – 90% humidity
Shipping Weight	1 lb. [0.6 kg]
Regulatory Compliance	EMI Standard, FCC Class B, CE Mark
Warranty	Lifetime

Ordering Information

N-GXE-SC-01

1000BASE-SX 850nm multimode (SC)
[50/125 μ m fiber: 550 m/1804 ft.]
[62.5/125 μ m fiber: 220 m/722 ft.]
Link Budget: 7.5 dB

N-GXE-LC-01

1000BASE-SX 850nm multimode (LC)
[50/125 μ m fiber: 550 m/1804 ft.]
[62.5/125 μ m fiber: 220 m/722 ft.]
Link Budget: 7.5 dB

N-GXE-SC10-01

1000BASE-LX 1310nm single mode (SC)
[10 km/6.2 mi.] Link Budget: 10.5 dB

N-GXE-LC10-01

1000BASE-LX 1550nm single mode (LC)
[10 km/6.2 mi.] Link Budget: 11.5 dB